

QUALITY OF SURFACE WATER

CARSON RIVER BASIN

Water-quality measurements in the following table were made as part of the Carson River Mercury Superfund Monitoring Study to determine loads into and out of Lahontan Reservoir. All mercury and methylmercury analyses were performed by USGS Mercury Research Laboratory in Middleton, Wisconsin using methods described in Olson and others (1997) and Olson and DeWild (1999). Quality-assurance samples are defined in the introductory text section titled "Water Quality-Control Data."

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Station Number	Station name	Date	Time	Sample type	Instantaneous discharge, cfs (00061)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)
10312020	CARSON RIVER NEAR SILVER SPRINGS, NV	10-23-03	1025	Environmental	3.8	660	9.0	99
		11-20-03	0920	Blank	--	--	--	--
		11-20-03	1030	Environmental	84	651	9.8	96
		12-29-03	0915	Blank	--	--	--	--
		12-29-03	1040	Environmental	152	645	11.7	99
		01-20-04	1030	Blank	--	--	--	--
		01-20-04	1115	Environmental	171	655	11.6	102
		02-23-04	0945	Blank	--	--	--	--
		02-23-04	1105	Environmental	231	647	9.8	96
		03-17-04	0950	Blank	--	--	--	--
		03-17-04	1110	Environmental	504	661	9.3	100
		03-24-04	1000	Blank	--	--	--	--
		03-24-04	1150	Environmental	793	651	8.8	98
		04-06-04	1120	Environmental	640	659	8.7	97
		04-21-04	1100	Blank	--	--	--	--
		04-21-04	1200	Environmental	302	650	9.3	99
		05-05-04	1130	Environmental	784	650	7.9	97
		06-16-04	0945	Environmental	203	655	7.0	89
		07-27-04	1045	Environmental	5.9	655	7.7	104
		08-24-04	1010	Blank	--	--	--	--
		08-24-04	1105	Environmental	3.3	655	9.4	121
		09-20-04	1045	Environmental	.92	655	9.5	104
		10-22-03	0955	Blank	--	--	--	--
10-22-03	1100	Environmental	446	662	7.1	83		
04-07-04	1000	Blank	--	--	--	--		
04-07-04	1145	Environmental	710	665	9.3	96		
05-04-04	1015	Blank	--	--	--	--		
05-04-04	1130	Environmental	856	655	9.0	99		
06-15-04	1005	Blank	--	--	--	--		
06-15-04	1115	Environmental	386	660	8.2	98		
07-26-04	1020	Blank	--	--	--	--		
07-26-04	1115	Environmental	508	660	5.8	75		
07-26-04	1120	Replicate	508	660	5.8	75		
08-23-04	1115	Environmental	464	655	7.0	92		
09-22-04	1000	Blank	--	--	--	--		
09-22-04	1105	Environmental	522	663	8.0	94		
09-22-04	1110	Replicate	522	663	8.0	94		
10312150	CARSON RIVER BELOW LAHONTAN RESERVOIR NEAR FALLON, NV							

QUALITY OF SURFACE WATER
CARSON RIVER BASIN--Continued
WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	pH, water, unfltrd field, std units (00400)	Specif. conduc- tance, wat unfl uS/cm 25 degC (00095)	Temper- ature, air, deg C (00020)	Temper- ature, water, deg C (00010)	Mercury water fltrd, ng/L (50287)	Mercury water unfltrd ng/L (50286)	Methyl- mercury water fltrd, ng/L (50285)	Methyl- mercury water unfltrd ng/L (50284)	Suspnd. sedi- ment, sieve diametr percent <.063mm (70331)	Sus- pended sedi- ment concent- ration mg/L (80154)	Sus- pended sedi- ment dis- charge, tons/d (80155)
10-23-03	7.7	579	20.5	13.0	23.8	82.3	1.16	1.71	88	2	.02
11-20-03	--	--	--	--	.18	--	<.04	--	--	--	--
11-20-03	8.1	452	16.0	7.5	22.2	263	.71	1.34	44	14	3.2
12-29-03	--	--	--	--	.37	--	<.04	--	--	--	--
12-29-03	7.9	352	9.0	1.5	21.3	513	.67	1.10	60	21	8.6
01-20-04	--	--	--	--	.51	--	<.04	--	--	--	--
01-20-04	8.0	377	3.0	3.5	15.8	260	.51	.96	28	17	7.8
02-23-04	--	--	--	--	5.12	--	<.04	--	--	--	--
02-23-04	8.1	305	6.5	7.3	18.2	634	.76	1.16	52	26	16
03-17-04	--	--	--	--	1.13	--	<.04	--	--	--	--
03-17-04	8.1	205	21.0	12.2	17.1	3,030	1.01	2.40	82	119	162
03-24-04	--	--	--	--	1.36	--	.06	--	--	--	--
03-24-04	8.0	144	20.0	13.0	24.0	3,120	1.06	4.61	76	192	411
04-06-04	8.1	180	14.5	13.8	25.4	2,190	1.79	5.07	69	106	183
04-21-04	--	--	--	--	1.06	--	<.04	--	--	--	--
04-21-04	7.9	257	13.5	11.0	27.2	447	1.18	1.87	16	100	82
05-05-04	7.9	141	26.5	17.3	27.5	3,190	1.41	5.41	72	235	497
06-16-04	8.0	307	22.0	19.5	27.9	638	2.06	3.28	71	18	9.9
07-27-04	8.2	524	32.0	22.7	27.7	116	1.47	2.36	78	7	.11
08-24-04	--	--	--	--	.28	--	<.04	--	--	--	--
08-24-04	8.3	531	24.0	20.2	32.5	98.8	2.22	3.11	55	6	.05
09-20-04	8.0	540	13.0	12.5	25.3	70.1	1.68	2.20	59	2	.00
10-22-03	--	--	--	--	1.23	--	<.04	--	--	--	--
10-22-03	7.5	268	19.0	16.0	5.90	440	.08	.21	98	39	47
04-07-04	--	--	--	--	1.05	--	<.04	--	--	--	--
04-07-04	8.1	266	18.0	10.6	6.85	209	.06	.24	68	23	44
05-04-04	--	--	--	--	.90	--	<.04	--	--	--	--
05-04-04	8.1	270	27.0	12.5	4.70	113	.07	.15	88	18	42
06-15-04	--	--	--	--	3.65	--	<.04	--	--	--	--
06-15-04	8.2	260	24.0	17.0	6.84	136	.09	.22	98	20	21
07-26-04	--	--	--	--	1.75	--	<.04	--	--	--	--
07-26-04	8.2	267	30.5	20.5	5.48	222	.10	.25	95	35	48
07-26-04	8.2	267	30.5	20.5	5.24	228	.12	.24	--	--	--
08-23-04	8.1	267	20.5	21.2	6.77	130	.09	.26	95	23	29
09-22-04	--	--	--	--	1.19	--	<.04	--	--	--	--
09-22-04	8.3	263	15.0	16.5	5.30	203	.06	.16	98	32	45
09-22-04	8.3	263	15.0	16.5	4.63	197	.08	.17	--	--	--

Remark codes used in this table:
< -- Less than